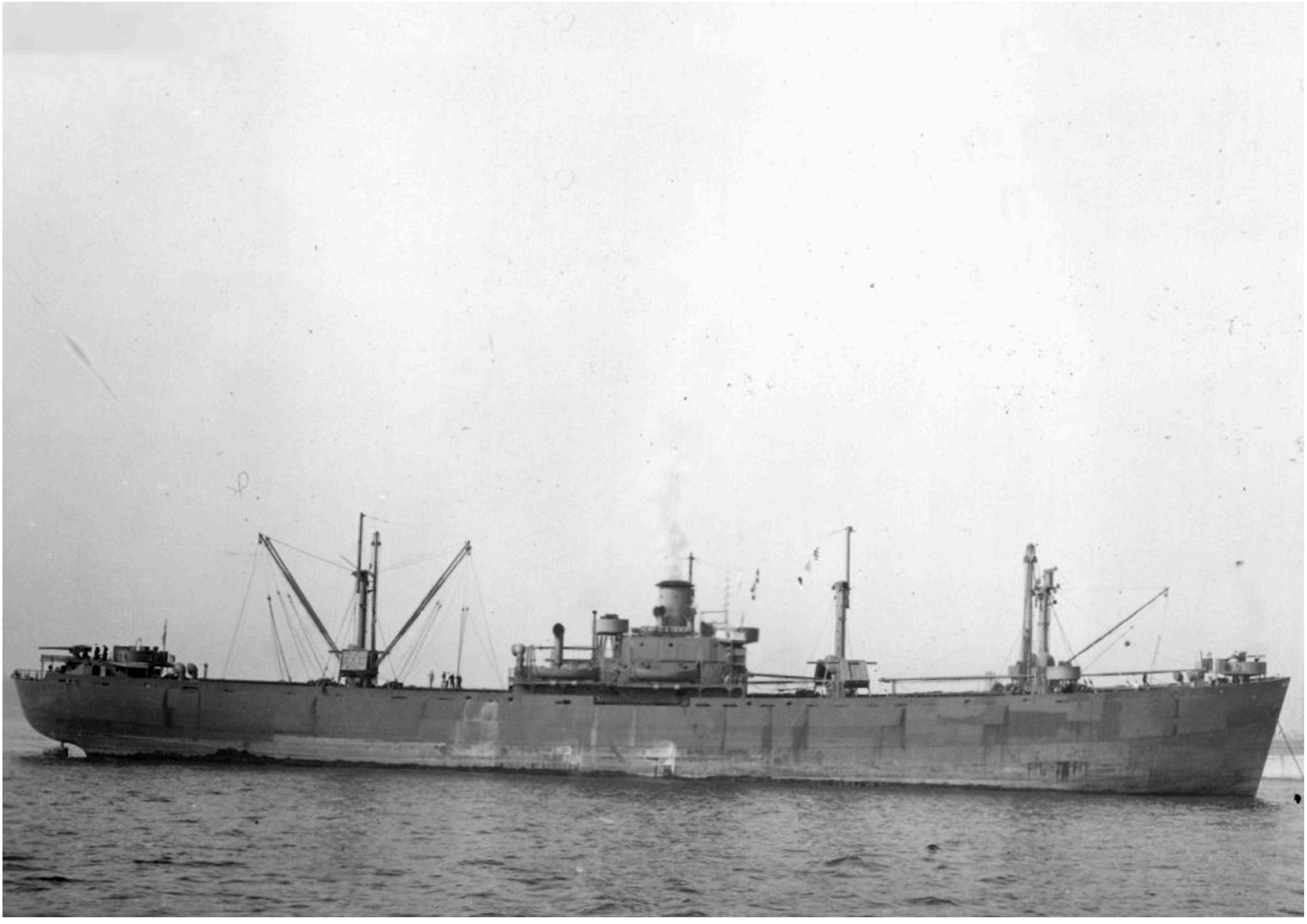
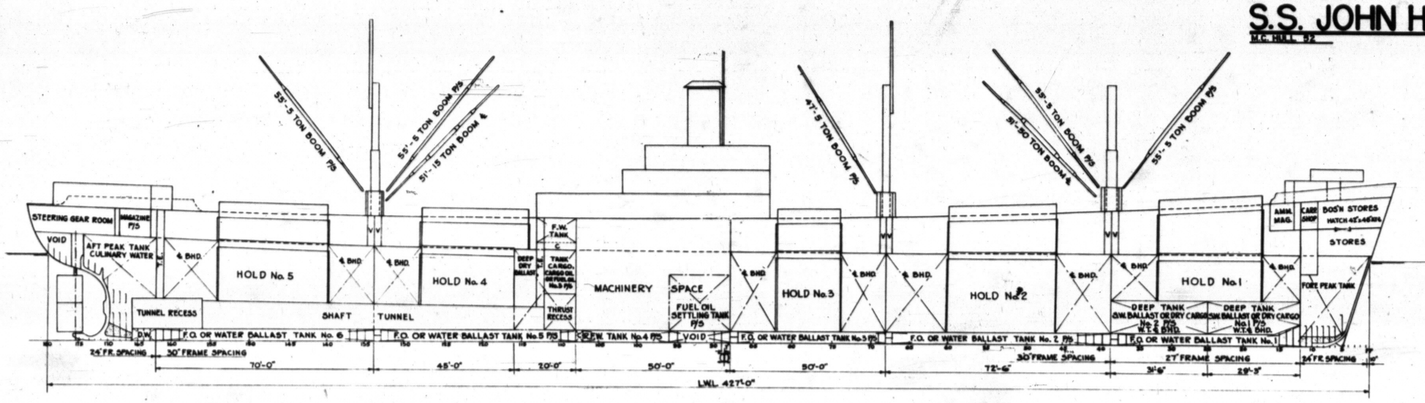
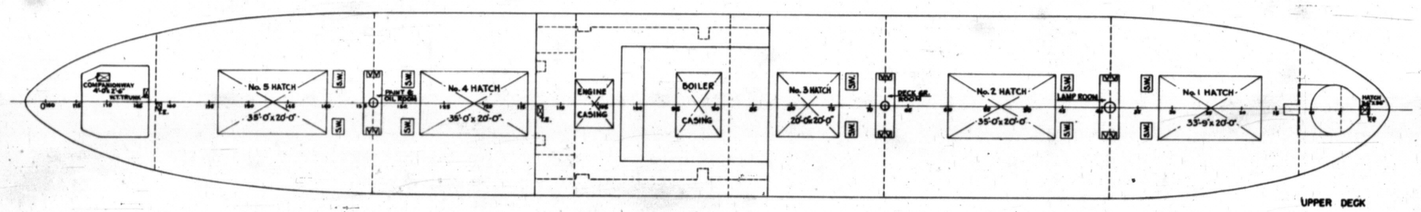


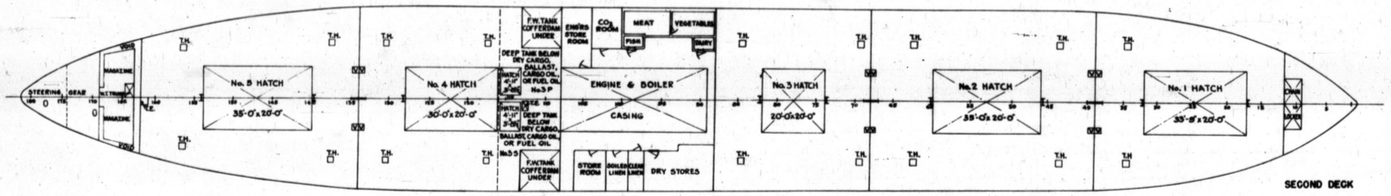
S.S. JOHN H. B. LATROBE

M.C. HILL '82 — B.F. HALL 2055

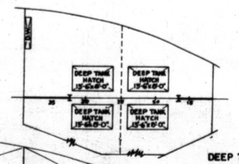




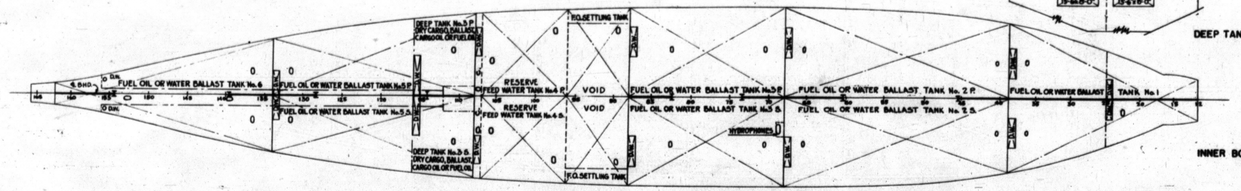
UPPER DECK



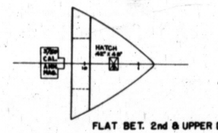
SECOND DECK



DEEP TANK TOP



INNER BOTTOM



ABBREVIATION

T.E.– TUNNEL ESCAPE
T.H.– TRIMMING HATCH
D.W.– DRAIN WELL
S.W.– STEAM WINCH
V. – VENT TRUNK
C. – COFFERDAM

STORES

STORE ROOM	CU. FT.
BOS'N. STORES ON 2nd DECK F.P. TO FR. 12	3034
BOS'N. STORES ON FLAT BET. 2nd & UPP. DKS.	3492
CABIN STORES 2nd DK. (FRS. 88-106)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

CARGO

COMPARTMENT		GRAIN CAP.	BALE CAP.
HOLD No. 1		C.F.	C.F.
	HOLD	41257	36083
	TWEEN DECKS	43143	39565
HOLD No. 2			
	HOLD	98880	92008
	TWEEN DECKS	46744	42630
HOLD No. 3			
	HOLD	68459	59793
	TWEEN DECKS	27970	23904
HOLD No. 4			
	HOLD	58841	52574
	TWEEN DECKS	35277	29689
HOLD No. 5			
	HOLD	58820	55711
	TWEEN DECKS	34570	30864
DEEP TANKS	No. 1P.	3639	2729
" "	No. 1S.	3639	3004
" "	No. 2P.	7473	5294
" "	No. 2S.	7473	5578
" "	No. 3P.	13674	12506
" "	No. 3S.	13188	12026
	TOTAL	582827	499816

WATER BALLAST

TANK		CU. FT.	TONS @ 35 C.F.
FORE PEAK		5073	145
WATER BALLAST	No. 1	5029	144
" "	No. 2 P.	5967	170
" "	No. 2 S.	5967	170
" "	No. 3 P.	4400	126
" "	No. 3 S.	4365	125
" "	No. 5 P.	4391	125
" "	No. 5 P.	4391	125
" "	No. 6	4118	118
AFTER PEAK-CULINARY WATER		5438	155
DEEP TANKS	No. 1 P.	3973	114
" "	No. 1 S.	3973	114
" "	No. 2 P.	7340	210
" "	No. 2 S.	7340	210
" "	No. 3 P.	13540	387
" "	No. 3 S.	13085	373
	TOTAL	98370	2811

FRESH WATER

TANK		GAL'S	TONS @ 35 C.F.
RESERVE FEED	No. 4 P.	17855	66
" "	No. 4 S.	17855	66
FRESH WATER	FR. 108–113 P.	7541	28
" "	FR. 108–113 S.	7541	28
	TOTAL	50792	188

FUEL OIL

TANK		GAL'S	TONS @ 35.2 C.F.
FUEL OIL TANK	No. 1	36863	132
" " "	No. 2 P.	43742	157
" " "	No. 2 S.	43742	157
" " "	No. 3 P.	32251	116
" " "	No. 3 S.	31955	115
" " "	No. 5 P.	32185	116
" " "	No. 5 S.	32185	116
" " "	No. 6	30183	108
	TOTAL	283106	1017
F.O. SETTLING TANK	FR. 88–96 P.	14083	51
" " "	FR. 88–96 S.	14083	51
	TOTAL	28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	No. 3 P.	99257	356
" "	No. 3 S.	95772	344
	TOTAL	195029	700
	TOTAL (ALL F.O.)	506301	1819

PRINCIPAL DIMENSIONS

L.O.A. ---------- 441'-7½"
L.B.P. (25'-5¼" W.L.) ---------- 416'-1.0"
BREADTH, MLD. ---------- 56'-10⅜"
BREADTH, EXTREME ---------- 57'-1¼"
DEPTH TO UPPER DECK, MLD. ---------- 37'-4"
DEPTH TO SECOND DECK, MLD. ---------- 28'-7"
DRAFT ---------- 27'-9¼"

CAPACITIES & TYPES OF WINCHES
7½" DBL. GEARED WINCHES FOR 5 & 15 TON BOOMS
9"x12" " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK		FOREMAST	40'-3⅝"
" " "		FR. 66	42'-11⅝"
" " "		FR. 134	42'-2⅞"
TELESCOPIC " "		FR. 66	62'-11⅝"
" " "		FR. 134	62'-2⅞"

ENGINE
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.

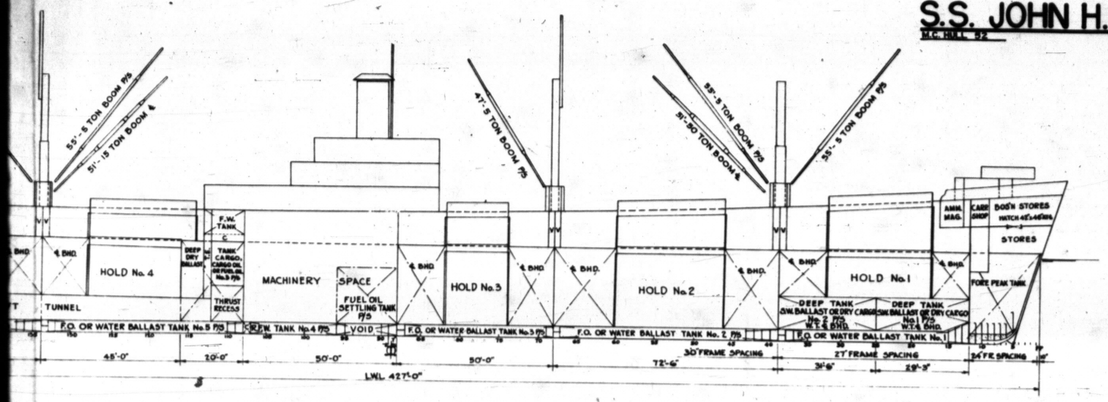
BOILERS
TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL.

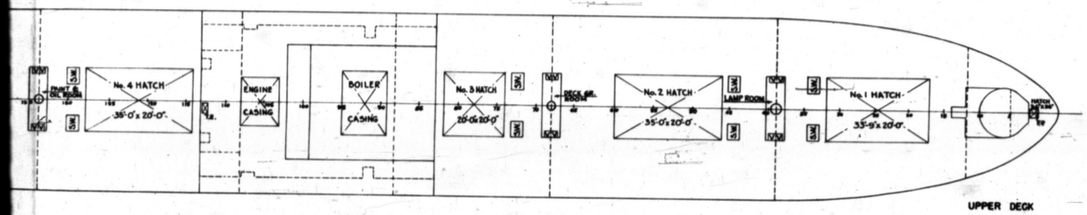
DEADWEIGHT SCALE

DEADWEIGHT S.W.	DRAFT	DISPLACEMENT S.W.
10920		
11000	28	14257
		14000
	27	
10000		13000
	26	
	25	
9000		12000
	24	
	23	
8000		11000
	22	
7000	21	10000
	20	
6000	19	9000
	18	
5000		8000
	17	
	16	
4000		7000
	15	
3000	14	6000
	13	
	12	
2000		5000
	11	
	10	
1000		4000
	9	
	8	
0		

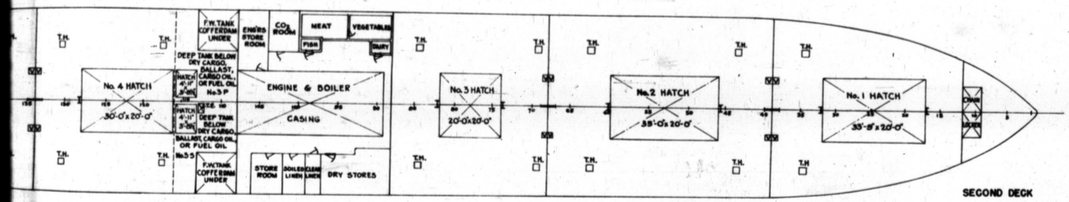
S.S. JOHN H. B. LATROBE

M.C. HULL 92 — B.F. HULL 2039

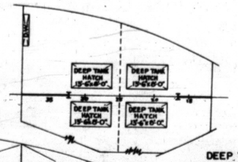




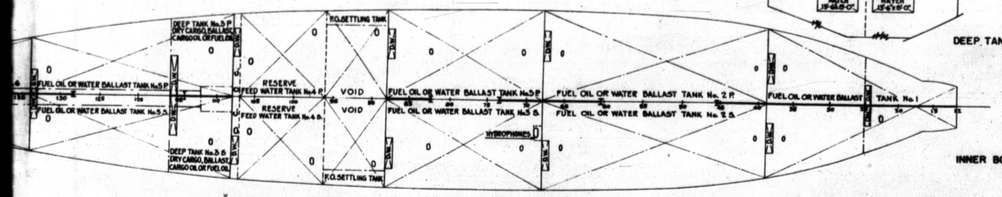
UPPER DECK



SECOND DECK



DEEP TANK TOP



INNER BOTTOM

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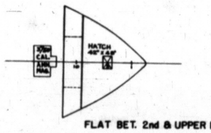

FLAT BET. 2nd & UPPER DKS.

STORES

STORE ROOM	CU. FT.
BOS'N. STORES ON 2nd DECK F.P. TO FR.12	3034
BOS'N. STORES ON FLAT BET. 2nd & UPR. DKS.	3492
CABIN STORES 2nd DK. (FRS. 88-106)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

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		C.F.	C.F.
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" "	No.1S.	3639	3004
" "	No.2P	7473	5294
" "	No.2S.	7473	5078
" "	No.3P.	13674	12506
" "	No.3S.	13188	12024
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" "	No.2S.	5967	170
" "	No.3P.	4400	126
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" "	No.3P	13540	387
" "	No.3S.	13065	373
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" "	No.2S.	43742	157
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" "	No.3S.	31955	115
" "	No.5P	32185	116
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9"x12" " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK	FOREMAST	FR.88	40'-3⅛"
" " " "		FR.134	48'-11⅛"
" " " "	MAINMAST	FR.88	42'-2⅛"
" " " "		FR.134	50'-10⅛"
TELESCOPIC " " "	FOREMAST	FR.88	62'-11⅛"
" " " "		FR.134	62'-2⅛"

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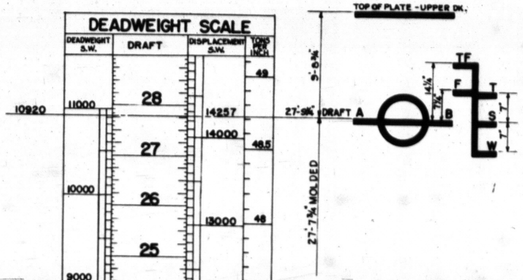
10920	28	14257	49
11000		14000	48.5
	27		
10000		13000	48
	26		
	25		
9000		12000	47.5
	24		
	23		47
8000		11000	
	22		46.5
7000	21		
		10000	46
	20		
6000	19	9000	45.5
	18		
5000		8000	45
	17		
	16		
4000		7000	44.5
	15		
	14		44
3000		6000	
	13		43.5
	12		
2000		5000	43
	11		
	10		42.5
1000			
	9	4000	42
	8		41.5
0		3337 LIGHT SHIP	



NOTE:
THE LIGHT WEIGHT OF THE SHIP INCLUDES THE 5"/51 CALIBER GUN AFT, 4-20 M.M. MACHINE GUNS, 4-30 CALIBER MACHINE GUNS, 3"/50 CALIBER GUN FORWARD & AMMUNITION

DESIGN NO. EC2-S-C1

UNITED STATES MARITIME COMMISSION
EMERGENCY SHIP CONTRUCTION DIVISION

CAPACITY PLAN

SCALE 1/16" = 1'-0" — DATE MAY 1, 1942

DRAWN P.F.R. — APPROVED
TRACED — APPROVED
CHECKED E.F.C. — APPROVED

BETHLEHEM-FAIRFIELD SHIPYARD, INCORPORATED
FAIRFIELD — BALTIMORE, MD.

M.C.E. PLAN NO 14-63 301-312 S29-1-1-41

APPROVED AS NOTED IN
M.C.E. LETTER DATED AUGUST 20, 1942.
M.C.E. FILE NO. S29-1 (a)
BY
BY